Experience the change,
See the difference
Specification-grade downlighting family
Downlights are a versatile tool used to enhance spaces and create visual appeal. As an ambient light source, recessed downlights create a comfortable, soothing illumination throughout the space without distraction. At the same time, downlights can boldly or subtly accentuate architectural or design elements to create rich dimensions and visual interest. No matter how downlights are incorporated into your lighting design, trust market-leading Philips Lightolier Calculite LED generation 3 downlights to maximize the impact of your lighting design.

Calculite LED generation 3 specification-grade downlighting delivers exceptional visual comfort and optical control, extraordinary mechanical precision, installation efficiency and future proofing.
Our forward innovation continues with **Philips Lightolier Calculite LED generation 3** round and square aperture downlights.
Calculite LED generation 3
Round 6in aperture wide beam downlights and 4in aperture wide beam open wall wash
Maximize visual appeal

When it comes to showcasing your craftsmanship, quality is more important than quantity. We feel the same way. That’s why our Calculite LED downlights focus on three beam spreads (narrow, medium, wide) with the right distribution and light output. This creates more uniform light with fewer downlights and smaller apertures, without worrying about glare or distractions. The meticulous design of Calculite LED also eliminates the need to compensate for lamp depreciation by delivering more light, and as a result, maintaining the light quality of the space over time.
There’s nothing to inhibit your creative vision, so you can consistently deliver an elegant impact.
Maximize user comfort

Calculite LED downlights provide beautiful subtlety along with robust performance. A patent-pending component design eliminates the distracting imperfections found in lesser quality downlights, such as hotspots and dark rings. The Calculite family of luminaires offer comfortable, soothing light, achieving uncompromising illumination with a true 50° physical and 45° reflected cutoff. Calculite’s soft beam transitions provide flawless consistency in a space, allowing higher lumen options in smaller apertures, with no increase in perceived brightness.
Philips Lightolier measures true downlight cutoff angles at the downlight’s widest bright point to ensure maximum luminaire efficacy and comfort for those in the space. Cutoff angles are not always what they seem, which can affect your overall design and comfort. Sub-standard manufacturers measure to the light source, which reduces performance levels and creates uncomfortable glare.

The new 3000lm 4” downlight is no brighter than Calculite’s previous 1500lm generation.
Philips Lightolier extends downlight excellence through a simplified installation process, with no requirements for specialized tools. The Calculite LED unique three-part system of frame, driver/light engine, and reflector (multiple patents pending) saves time and hassle from start to finish and adds up to a highly personalized solution to showcase your unique lighting vision.

Maximize installation efficiency
Lighting vision

With a fully upgradable architecture, Calculite LED modular downlights may be conveniently serviced and upgraded at any time without having to access the ceiling.

Quick, easy, tool-free install*

1. Reflector installs into ceiling with no difficult long tension springs.
2. Built-in adjustable mounting feature allows installation into thick ceilings with no additional accessories.
3. Can handle a ceiling thickness of up to 2” for 4in apertures and 2-3/4” for 6in & 7in apertures.

* Please read warnings, cautions and installation instructions provided with the product before attempting installation.
Calculite LED generation 3

Round 4in aperture medium beam downlights and 6in aperture wide beam cylinders

Introduction
Superior performance

Calculite’s 2-step or 2 SDCM rating provides uniformity of color quality and light levels, from fixture to fixture, with no visible shifts. This is a criteria one must consider for maintenance consistency that affects the look & feel of the space over the lifetime of the installation.

With Calculite LED generation 3, specifying uniform light & color consistence is achieved by leveraging Philips technology advancements. For medium and wide beam distribution a larger array of mid-flux chips is used to provide long lifetime lumen maintenance and a comfortable beam for general light while for narrow beams, a chip-on-board (COB) provides a tighter more defined beam for high ceiling applications. The combination of technologies allows designers to create the right layers of light to properly enhance a space per the design intent.
Recognized as the market-leading downlight solution, Calculite LED generation 3 achieves life ratings of up to L90 (90% lumen maintenance) for 60,000 hours and efficacies as high as 115 lm/w.
Versatile frames

Calulite LED downlight frames are designed with quick connect technology enabling two future proof values. First, your lighting system is ensured to last the life of the building through easy replacement of the electronic components at end of life while minimizing waste of materials and cost of labor. Secondly, your building is provided with a connection point enabling easy integration of any new lighting technologies and systems.

The 4”, 6” and 7” apertures are available with Calulite’s anodized finishes featuring white and polished flanges. Each aperture is available with narrow, medium and wide flood distributions and open single, double, corner or lensed wall washers.

The 4” and 6” square apertures are made with Alano® formed panels providing the required distribution for smooth, even illumination and comfortable appearance in the ceiling. They are available in finishes to match our most popular anodized round reflectors, and offer narrow, medium, wide flood and lensed wall wash distributions.

Now available for insulated ceiling applications in 4” and 6” round and square apertures with all the same installation features as the Non-IC version. The insulated ceiling frame is compatible with all driver options up to 1500lm in the 4” aperture and 2500lm in the 6” aperture.
Quick, install **frames**

The universal frame is free from drivers and thermal protectors allowing it to accommodate any lumen package, driver type, input voltage, CCT and distribution. This provides installation ease and flexibility in forecasting as project needs evolve or unexpected changes arise.

**Installation**
Tool-less installation into hat channel ceilings in less than 60 seconds.

**Aperture**
Close-cut aperture design eliminates an undesired gap between ceiling material and reflector.

**Connector**
Easy install blind mate connector ensures a secure connection to the driver. The plug-and-play receptacle accommodates technology upgrade light engines and replacements for the life of the building.

**Wiring**
Separate wiring compartment for wiring frame to building allows inspection prior to light engine installation.
Dimming and Controls solutions
Calculite LED generation 3

Modular design

From a simple standalone dimming down to 1% to a full network solution, users have a wide array of options, with technologies and capabilities by Calculite LED generation 3. The choice today may not be the desired choice for the future therefore the modular design allows easy control system upgradability.

Controls solutions from basic to advance connected networks:

- Standard 0–10V delivers smooth dimming down to 1%.
- ELV dimmable with no additional wiring.
- Dali for dimming and addressability systems.
- Tunable white (2700K to 6500K) impacts the appeal of the space by changing color temperatures.
- PoE and SpaceWise networking systems for low cost integration of energy efficiency and data management.
Comfortable
0-10V delivers smooth dimming down to 1%.

Compatible
ELV dimmable with no additional wiring.

Configurable
Dali for dimming and addressability systems.

Commendable
Powered with tunable white technology, Power over Ethernet (PoE), and SpaceWise controls.*

* Consult with factory on availability.
4” luminaires
Calculite LED generation 3

Round 4in aperture
Downlight trim
Narrow beam

Round 4in aperture
Downlight trim
Medium beam

Round 4in aperture
Downlight trim
Wide beam

Round 4in aperture
Open wall wash trim

Round 4in aperture
Double wall wash trim

Round 4in aperture
Corner wall wash trim

Round 4in aperture
Lensed wall wash trim

Square 4in aperture
Downlight trim
Narrow/Medium beam

Square 4in aperture
Downlight trim
Wide beam

Square 4in aperture
Lensed wall wash trim

New Construction

Remodeler

AirSeal IC
### Ordering guide

\[A + B + C + D \text{ (optional)} + E \text{ (optional)} = \text{complete unit.}\]

Refer to footnotes at the bottom of the page for configuration details and restrictions.

#### Frame

**Series** | **Apertures** | **Installations** | **Voltages & Options**
--- | --- | --- | ---
C4 | | |  
C4 | R Round | N New construction\(^2\) | — Universal (120/277V)  
| S Square | R Remodeler | 3 347V  
| | | EM Emergency\(^2\)  
| | | LC Chicago Plenum\(^2\)  
| | | — AirSeal IC\(^3\)  

#### Engine

**Series** | **Lumens** | **CRIs** | **CCTs** | **Beams** | **Dimmings** | **Options**
--- | --- | --- | --- | --- | --- | ---
C4L | 05 10 15 | 500 lm\(^4\) 1000 lm 1500 lm | 20 25 30 | 2000 lm 2500 lm 3000 lm | 8 9 10 | 27 30 35 40 | 2700K 3000K 3500K 4000K  
| | | | | | |  
| | | | | | | Narrow/Wide  

#### Trim

**Series** | **Apertures** | **Styles** | **Beams**
--- | --- | --- | ---
C4 | R Round | DL Downlight | — Any Engine beam (selected above)  
| S Square | DL Downlight | NM Narrow/Medium  
| | | |  
| S Square\(^6\) | WW Open wall wash\(^7\) | Corner wall wash\(^7\)  
| | | Narrow wall wash\(^7\)  
| | | Double wall wash\(^7\)  
| | | Lensed wall wash\(^7\)  
| | | Wide Engine beam is optimal for all wall wash styles\(^7\)  

#### Vetro

**Series** | **Sizes** | **Styles**
--- | --- | ---
D | 4A 4 inch aperture |  

#### Accessories

**Series** | **Options** | **Styles/Finishes**
--- | --- | ---
CA | 4R 4 inch aperture, Round | FT Flangeless mud-in-ring for use with flush mount installations and with Vetro decorative elements  
| 4S 4 inch aperture, Square |  
| RVP Round Vandal Proof | WH White (matte) compatible with up to 2500 lm configurations

---

1. The 347V is not compatible with Lensed Wall Wash over 2000 lm.
2. Emergency (EM) and Chicago Plenum (LC) options are only available with New construction (N) installations.
3. AirSeal is only compatible with up to 1500 lm.
4. Dali (D) and Lutron (L) dimming is not available with 500 lm (05) lumen package.
5. The 2000, 2500, and 3000 lumen packages have marked spacing requirements (see Calculite LED generation 3 specification sheets page 2 for the requirements).
6. The 90 CRI option is only available with 2700K and 3000K CCT.
7. The Wide (W) beam Engine is optimal for any wall wash style (WW, LW, CW, DW).
8. The Square (S) aperture trim is only available with the Lensed Wall Wash (LW) style.
9. Corner and Double Wall Wash are not available with the flangeless option.
6" luminaires

Calculite LED generation 3

Round 6in aperture
Downlight trim
Narrow beam

Round 6in aperture
Downlight trim
Medium beam

Round 6in aperture
Downlight trim
Wide beam

Round 6in aperture
Open wall wash trim

Round 6in aperture
Double wall wash trim

Round 6in aperture
Corner wall wash trim

Round 6in aperture
Lensed wall wash trim

Square 6in aperture
Downlight trim
Narrow/Medium beam

Square 6in aperture
Downlight trim
Wide beam

Square 6in aperture
Lensed wall wash trim

New Construction

Remodeler

AirSeal IC
Ordering guide

A + B + C + D (optional) + E (optional) = complete unit.
Refer to footnotes at the bottom of the page for configuration details and restrictions.

A
Frame

<table>
<thead>
<tr>
<th>Series</th>
<th>Apertures</th>
<th>Installations</th>
<th>Volts &amp; Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6</td>
<td>R, S</td>
<td>N, R</td>
<td>Universal (120/277V)</td>
</tr>
<tr>
<td>C6</td>
<td>Calculite LED</td>
<td>6 inch aperture</td>
<td>347V, EM, LC Chicago Plenum</td>
</tr>
</tbody>
</table>

B
Engine

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens</th>
<th>CRIs</th>
<th>CCTs</th>
<th>Beams</th>
<th>Dimmings</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6L</td>
<td>10</td>
<td>35</td>
<td>8</td>
<td>27</td>
<td>Z10</td>
<td>Universal (120/277/347V)</td>
</tr>
</tbody>
</table>

C
Trim

<table>
<thead>
<tr>
<th>Series</th>
<th>Apertures</th>
<th>Styles</th>
<th>Beams</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6</td>
<td>R, S</td>
<td>DL</td>
<td>Any Engine beam (selected above)</td>
</tr>
</tbody>
</table>

D
Vetro

<table>
<thead>
<tr>
<th>Series</th>
<th>Sizes</th>
<th>Styles</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>6A</td>
<td></td>
</tr>
</tbody>
</table>

E
Accessories

<table>
<thead>
<tr>
<th>Series</th>
<th>Options</th>
<th>Styles/Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>FT</td>
<td>FT Flangeless mud-in ring for use with flush mount installations and with Vetro decorative elements</td>
</tr>
</tbody>
</table>

Footnotes:
1. The 347V is not compatible with Lensed Wall Wash over 2000lm.
2. Emergency (EM) and Chicago Plenum (LC) options are only available with New construction (N) installations.
3. AirSeal is only compatible with up to 2500lm.
4. Dali (D) and Lutron (L) dimming are not available with 4800 and 6000lm.
5. The 4800 and 6000 lumen packages have marked spacing requirements (see Calculite LED generation 3 specification sheets page 2 for the requirements).
6. The 90 CRi option is only available with 2700K and 3000K CCT.
7. The Wide (W) beam Engine is optimal for any wall wash style (WW, LW, CW, DW).
8. The Square (S) aperture trim is only available with the Lensed wall wash (LW) style.
9. Corner and Double Wall Wash are not available with the flangeless option.
7" luminaires

Calculite LED generation 3

Round 7\(\text{in}\) aperture
Downlight trim
Narrow beam

Round 7\(\text{in}\) aperture
Downlight trim
Medium beam

Round 7\(\text{in}\) aperture
Downlight trim
Wide beam

Round 7\(\text{in}\) aperture
Open wall wash trim

Round 7\(\text{in}\) aperture
Double wall wash trim

Round 7\(\text{in}\) aperture
Corner wall wash trim

Round 7\(\text{in}\) aperture
Lensed wall wash trim

New Construction
Remodeler
AirSeal IC

12\(\text{\frac{3}{4}}\) in
326 mm

13\(\frac{\text{\frac{3}{4}}}{\text{in}}\)
346 mm

6\(\text{\frac{1}{8}}\) in
175 mm

13\(\text{\frac{1}{8}}\) in
337 mm

8\(\text{\frac{\text{\frac{3}{4}}}{\text{in}}\)
229 mm

20\(\text{\frac{\text{\frac{3}{4}}}{\text{in}}\)
511 mm

22 Philips Lightolier
# Ordering guide

A + B + C + D (optional) + E (optional) = complete unit.

Refer to footnotes at the bottom of the page for configuration details and restrictions.

## Frame

<table>
<thead>
<tr>
<th>Series</th>
<th>Apertures</th>
<th>Installations</th>
<th>Voltages &amp; Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>C7</td>
<td>R</td>
<td>N</td>
<td>Universal (120/277V)</td>
</tr>
</tbody>
</table>

**ex: C7RN**

## Engine

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens</th>
<th>CRIs</th>
<th>CCTs</th>
<th>Beams</th>
<th>Dimmings</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6L</td>
<td>10</td>
<td>35</td>
<td>8</td>
<td>2700K⁴</td>
<td>N</td>
<td>Z10</td>
</tr>
</tbody>
</table>

**ex: C6L15835NZ10U**

## Trim

<table>
<thead>
<tr>
<th>Series</th>
<th>Apertures</th>
<th>Styles</th>
<th>Beams</th>
</tr>
</thead>
<tbody>
<tr>
<td>C7</td>
<td>R</td>
<td>DL</td>
<td>NM</td>
</tr>
</tbody>
</table>

**ex: C7RDLNMCCP**

## Vetro

<table>
<thead>
<tr>
<th>Series</th>
<th>Sizes</th>
<th>Styles</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>7A</td>
<td></td>
</tr>
</tbody>
</table>

**ex: D7A04**

## Accessories

<table>
<thead>
<tr>
<th>Series</th>
<th>Options</th>
<th>Styles</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>FT</td>
<td></td>
</tr>
</tbody>
</table>

**ex: CA7RFT**

---

1. The 347V is not compatible with Lensed Wall Wash over 2000lm.
2. Dali (D) and Lutron (L) dimming are not available with 4800 and 6000lm.
3. The 4800 and 6000 lumen packages have marked spacing requirements (see Calculite LED generation 3 specification sheets page 2 for the requirements).
4. The 90 CRI option is only available with 3700K and 3000K CCT.
5. The Wide (W) beam Engine is optimal for any wall wash style (WW, LW, CW, DW).
6. Corner and Double Wall Wash are not available with the flangeless option.
## 4” & 6” cylinders

Calculite LED generation 3

![4" & 6" cylinders](image)

### Ordering guide

**A + B (optional) = complete unit.**

Refer to footnotes at the bottom of the page for configuration details and restrictions.

### Fixture

<table>
<thead>
<tr>
<th>Series</th>
<th>Mounts</th>
<th>Styles</th>
<th>Lumens</th>
<th>CRIs</th>
<th>CCTs</th>
<th>Beams</th>
<th>Dimmings</th>
<th>Voltages</th>
<th>Reflectors</th>
<th>Cylinders</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4</td>
<td>S</td>
<td>DL</td>
<td>05</td>
<td>8</td>
<td>90</td>
<td>N</td>
<td>0-10 V</td>
<td>Universal (120/277 V)</td>
<td>CC</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WW</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>M</td>
<td>110 V</td>
<td></td>
<td>CZ</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>W</td>
<td>120 V</td>
<td></td>
<td>White (matte)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>P</td>
<td>130 V</td>
<td></td>
<td>Black (matte)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>25</td>
<td>30</td>
<td>35</td>
<td></td>
<td>140 V</td>
<td></td>
<td>Aluminum</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30</td>
<td>35</td>
<td>40</td>
<td></td>
<td>150 V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>35</td>
<td>40</td>
<td></td>
<td></td>
<td>160 V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40</td>
<td></td>
<td></td>
<td></td>
<td>170 V</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**C6**

<table>
<thead>
<tr>
<th>Series</th>
<th>Mounts</th>
<th>Styles</th>
<th>Lumens</th>
<th>CRIs</th>
<th>CCTs</th>
<th>Beams</th>
<th>Dimmings</th>
<th>Voltages</th>
<th>Reflectors</th>
<th>Cylinders</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6</td>
<td>S</td>
<td>DL</td>
<td>10</td>
<td>8</td>
<td>90</td>
<td>N</td>
<td>0-10 V</td>
<td>Universal (120/277 V)</td>
<td>CL</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WW</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>M</td>
<td>110 V</td>
<td></td>
<td>CD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20</td>
<td>20</td>
<td>25</td>
<td>W</td>
<td>120 V</td>
<td></td>
<td>CZ</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>25</td>
<td>25</td>
<td>30</td>
<td>P</td>
<td>130 V</td>
<td></td>
<td>White (matte)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30</td>
<td>30</td>
<td>35</td>
<td></td>
<td>140 V</td>
<td></td>
<td>Black (matte)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>35</td>
<td>35</td>
<td>40</td>
<td></td>
<td>150 V</td>
<td></td>
<td>Aluminum</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40</td>
<td>40</td>
<td></td>
<td></td>
<td>160 V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>45</td>
<td>45</td>
<td></td>
<td></td>
<td>170 V</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Accessories

See specification sheets for mounting accessories.

1. Wall wash is only available with wide beam
2. The 90 CRI is only available with 27K and 30K
3. The 4800 & 6000lm are only available with 0-10V dimming.
Calculite LED generation 3
Round 6in aperture medium beam cylinders and downlights
Finishes
Calculite LED generation 3

Reflector

**CL** Specular clear
Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.

**CC** Comfort clear diffuse
Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.

**CD** Clear diffuse
Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with specular finishes.

**CZ** Champagne bronze
Semi-specular finish that softens the light at the source of the reflector while providing a warmer reflector appearance (light output is slightly warmer).

**WH** White (matte)
Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).

**BK** Black (matte)
Specular finish that provides the lowest aperture brightness possible and significantly reduces source identification in a ceiling.

Flange

**– White (matte)**
Provides the smoothest transition to ceilings when off.

**P** Polished (matches aperture)
Produces a continuous look throughout the reflector (aperture matching).

**F** Flangeless (flush-mount)
Creates a flush, virtually seamless transition from aperture to ceiling.

**FT** Flangeless Mud-in Ring
Low profile, machined aluminum mud-in ring provides a raised rib to plaster up to and a 3/16" flange thickness. The ring is attached to the ceiling material as opposed to the frame-in kit to avoid conduction of heat and vibration which can cause yellowing or cracking of the plaster. After installing the frame, a mud-in ring is inserted into the ceiling opening, the flange is plastered over, feathered, sanded and finished. The end result is a clean inconspicuous appearance with a flush, virtually seamless transition from aperture to ceiling.

**VP** Vandal Proof
Available for 4" and 6" round apertures. Provides an elegant solution for vandal resistant needs. One piece machined aluminum ring with impact resistant clear lens. Flangeless (F) flange and Flangeless mud-in ring (FT) accessory must be ordered. Provides the luminaire with an IP65 rating.

Note: Not all finishes are available for all trims. Refer to specification sheet for availability. When handling reflectors, use clean white or plastic film gloves to avoid fingerprints. Specular surfaces can be cleaned by the following methods: Wipe off with soft clean, dry lint-free cloth, or wipe off with a soft cloth dampened in mild detergent solution, rinse, then wipe dry with lint-free cloth or paper towel, or wipe off with clean cloth dampened with a solution of wetting agent and water (such as 2 oz. per gallon “Pluronic L62-LF” by Wynandotte Products or liquid such as Glass Wax®) then wipe dry with a lint-free cloth or paper towel. Avoid gritty cleaning agents.
Vetro decorative elements

Calculite LED generation 3

A definitive design statement utilizing balance and proportions.
With uncompromising style and the look of clean, spare elegance, Vetro decorative glass elements open a world of creative potential. Designed for stand-out style or a reserved minimal look, these elements offer unlimited scope for a broad variety of applications – all within the same design family.

**D01 series**

Round acrylic decorative element with aluminum insert

**D02 series**

Round acrylic decorative element

**D03 series**

Round angled double opal glass decorative element

**D13 series**

Round angled double opal glass decorative element within clear glass

**D04 series**

Round opal glass decorative element

**D14 series**

Round opal glass decorative element within clear glass

---

**Cat. No.** | **Size** | **Aperture** | **Width** | **Depth**
---|---|---|---|---
D4A01 | 4” | 3 3/4” (95 mm) | 6” (152 mm) | 1 1/4” (32 mm)
D6A01 | 6” | 4 3/8” (117 mm) | 7 1/8” (184 mm) | 1 1/8” (29 mm)
D7A01 | 7” | 5 1/2” (140 mm) | 9” (229 mm) | 2” (51 mm)

**Cat. No.** | **Size** | **Aperture** | **Width** | **Depth**
---|---|---|---|---
D4A02 | 4” | 3 1/2” (89 mm) | 6” (152 mm) | 1 1/4” (32 mm)
D6A02 | 6” | 4” (102 mm) | 7 1/2” (191 mm) | 1 1/8” (29 mm)
D7A02 | 7” | 4 3/8” (124 mm) | 9” (229 mm) | 2” (51 mm)

**Cat. No.** | **Size** | **Aperture** | **Width** | **Depth**
---|---|---|---|---
D4A03 | 4” | 5 3/8” (130 mm) | 6 7/8” (174 mm) | 2” (51 mm)
D6A03 | 6” | 6 3/8” (168 mm) | 8” (203 mm) | 2 1/4” (54 mm)
D7A03 | 7” | 7 3/8” (190 mm) | 10 1/8” (256 mm) | 2 1/2” (54 mm)

**Cat. No.** | **Size** | **Aperture** | **Width** | **Depth**
---|---|---|---|---
D4A04 | 4” | 4” (102 mm) | 6 7/8” (174 mm) | 2” (51 mm)
D6A04 | 6” | 5 3/8” (140 mm) | 7 7/8” (197 mm) | 2 1/4” (54 mm)
D7A04 | 7” | 6 3/4” (171 mm) | 9 1/8” (226 mm) | 2 1/2” (54 mm)

**Cat. No.** | **Size** | **Aperture** | **Width** | **Depth**
---|---|---|---|---
D4A13 | 4” | 5 1/2” (130 mm) | 8 3/8” (216 mm) | 2 1/4” (57 mm)
D6A13 | 6” | 6 3/8” (168 mm) | 10 3/8” (264 mm) | 2 1/2” (54 mm)
D7A13 | 7” | 8 1/2” (216 mm) | 11 3/8” (283 mm) | 2 1/2” (54 mm)

**Cat. No.** | **Size** | **Aperture** | **Width** | **Depth**
---|---|---|---|---
D4A04 | 4” | 4” (102 mm) | 6 3/8” (159 mm) | 2” (51 mm)
D6A04 | 6” | 5 3/8” (140 mm) | 7 3/8” (197 mm) | 2 1/4” (54 mm)
D7A04 | 7” | 6 3/4” (171 mm) | 9 3/8” (226 mm) | 2 1/2” (54 mm)

**Cat. No.** | **Size** | **Aperture** | **Width** | **Depth**
---|---|---|---|---
D4A13 | 4” | 4” (102 mm) | 7 3/8” (191 mm) | 2 1/4” (57 mm)
D6A13 | 6” | 5 3/8” (140 mm) | 8 3/8” (219 mm) | 2 1/2” (54 mm)
D7A13 | 7” | 6 3/4” (171 mm) | 10 3/8” (260 mm) | 2 1/2” (54 mm)

**Note:** A flangeless reflector is required for installation of the decorative glass elements. For the best visual effect, pair with the Calculite Clear (CL) reflector finish.
Rely on the expertise of Philips Lightolier, and outstanding quality of Calculite LED generation 3 downlights, to help you and your design make a great impact. Contact us for a personal demonstration of the fast and easy three-part modular system and see the difference that Calculite LED’s soft, soothing cone of illumination can make in your project. Or, visit our website at www.philips.com/CalculiteLED for more information.
### Downlights

<table>
<thead>
<tr>
<th>Lumens</th>
<th>1 1/4&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
<th>6&quot;</th>
<th>7&quot;</th>
<th>1x1&quot;</th>
<th>4x4&quot;</th>
<th>6x6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>500</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>1000</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>1500</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>2000</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>2500</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3000</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3500</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>4800</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>6000</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

### Adjustable Accents

<table>
<thead>
<tr>
<th>Lumens</th>
<th>3&quot;</th>
<th>4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>500</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>1000</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>1500</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>2000</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>2500</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3000</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3500</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>4800</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>6000</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

### Wall Washers

<table>
<thead>
<tr>
<th>Lumens</th>
<th>1 1/4&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
<th>6&quot;</th>
<th>7&quot;</th>
<th>4x4&quot;</th>
<th>6x6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>500</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>1000</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>1500</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>2000</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>2500</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3000</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3500</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>4800</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>6000</td>
<td>● ● ●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

### Cylinders

<table>
<thead>
<tr>
<th>Lumens</th>
<th>4&quot;</th>
<th>6&quot;</th>
<th>4&quot;</th>
<th>6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>500</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>1000</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>1500</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>2000</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>2500</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3000</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3500</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>4800</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>6000</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

N = Narrow beam  M = Medium beam  W = Wide beam  LW = Lensed Wall Wash  WW = Wall Wash  DW = Double Wall Wash  CW = Corner Wall Wash

**Note:** Refer to specification sheets for downlight beam spread angles, wet locations and ENERGY STAR® configurations.

---

### The ProLuminaire Mobile App

**The ProLuminaire Mobile App provides users with...**

- The entire professional luminaire and controls portfolio.
- iOS and Android versions for phone and tablets.
- A variety of fast ways to search for your product: by product type, brand, product name, product family code, and more.
- Mobile access to professional lighting solutions, on the go.
- Media resources center to view product videos, brochures or presentations.
- Product and application image galleries.
- Quick downloads and information sharing, including product literature such as spec sheets and installation documents.

Find out more at philips.com/ProLuminaireApp